

1/7

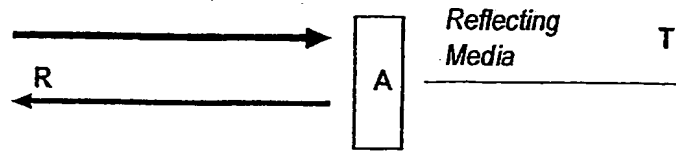


Figure 1 EM Reflective Switch ($R \gg T + A$)

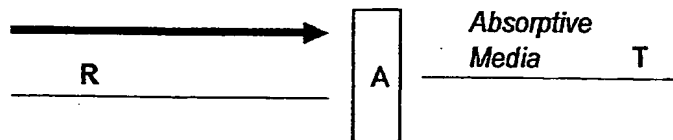


Figure 2 EM Absorptive Switch ($A \gg R + T$)

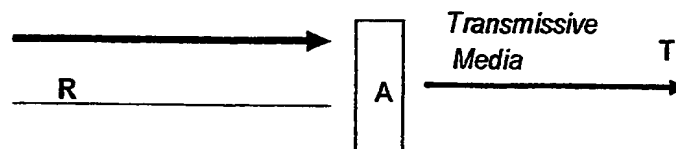


Figure 3 EM Transmissive Switch ($T \gg R + A$)

2/7

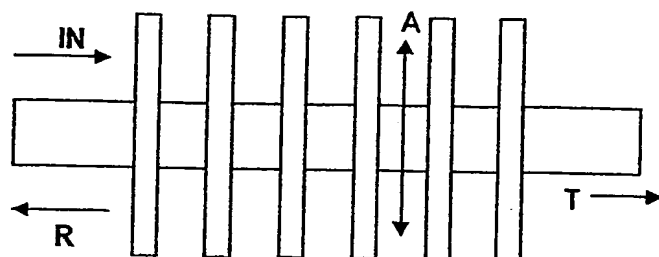


Figure 4 EBG Transmission Line

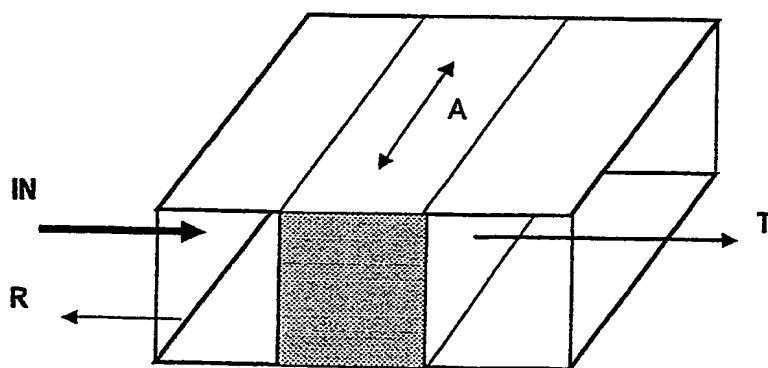


Figure 5 Parallel Plate Wave Guide

3 / 7

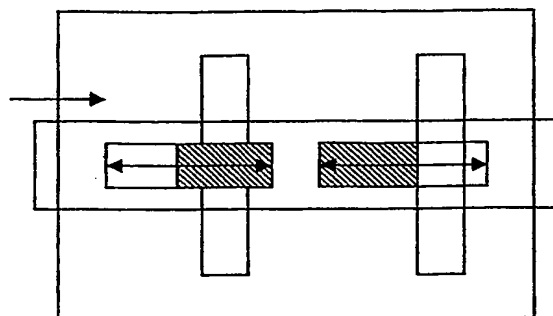


Figure 6 Surface Electrostatic EBG Switch

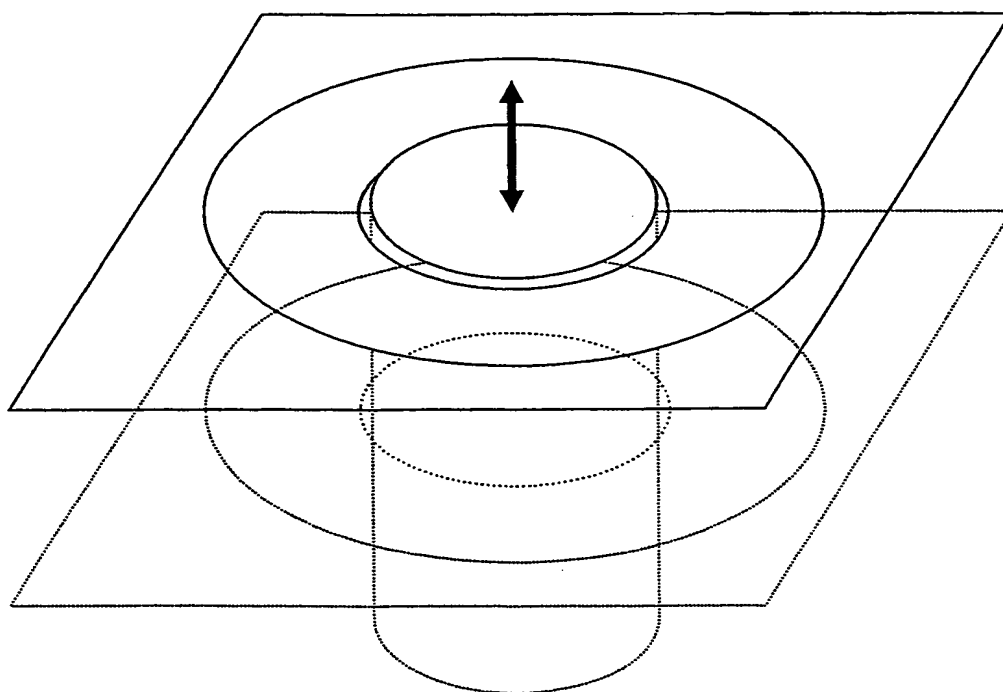


Figure 7 Through Thickness Electromagnetic Switch

4/7

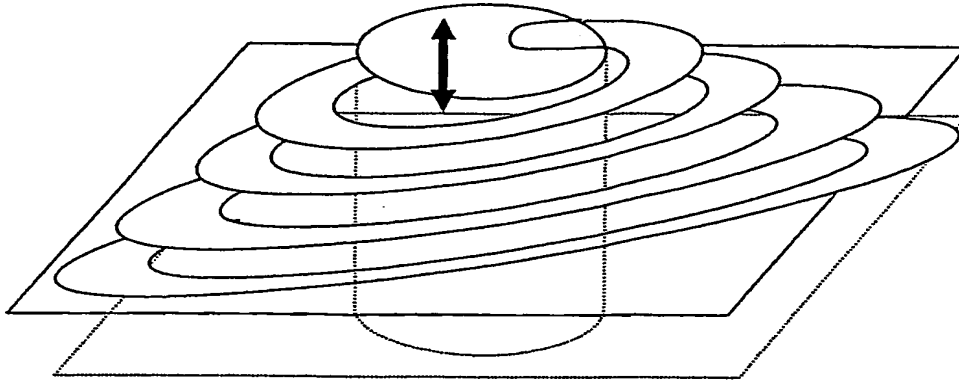


Figure 8 Mu Metal Switch

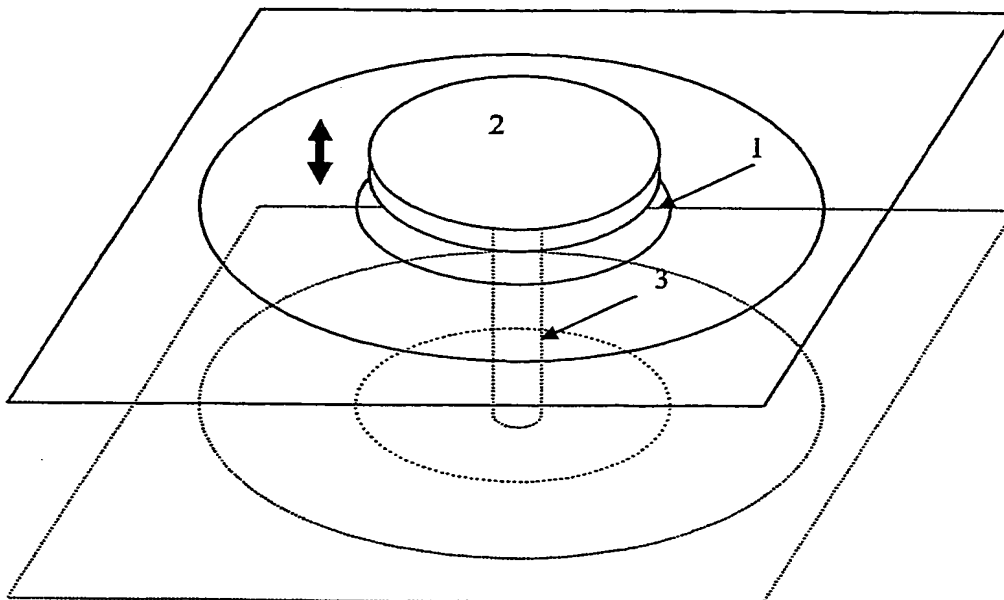


Figure 9 A Through Thickness Fluidic Switch

5/7

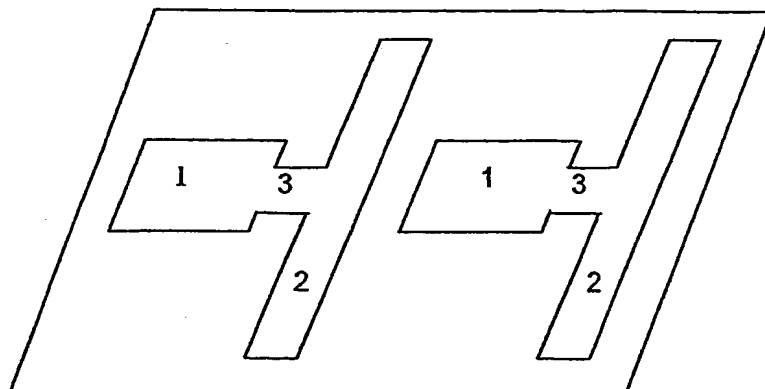


Figure 10 A Surface Fluidic Switch

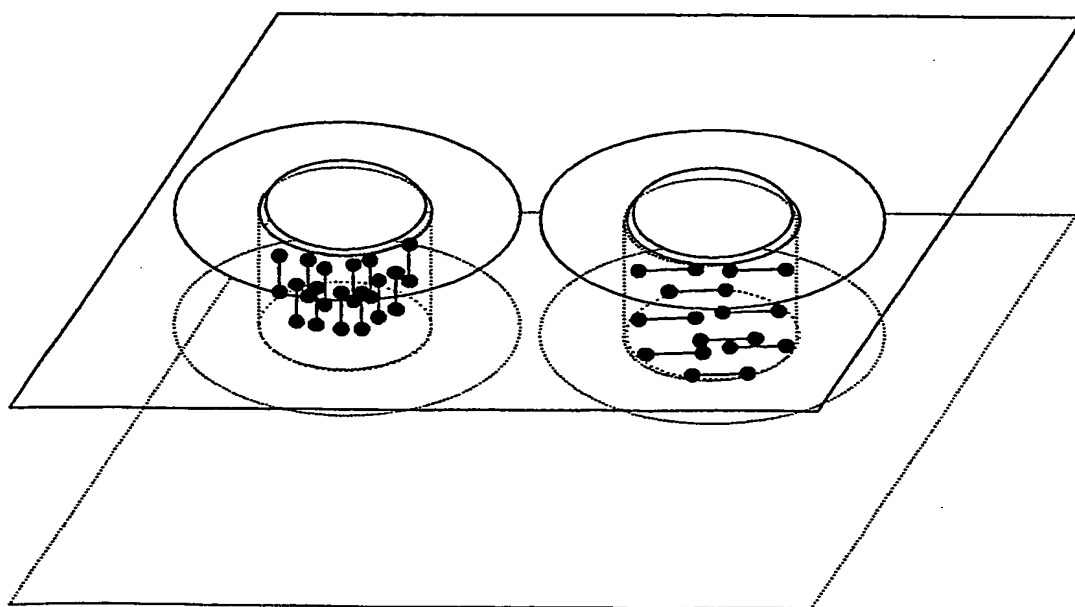


Figure 11 Through-thickness Molecular Switch

6/7

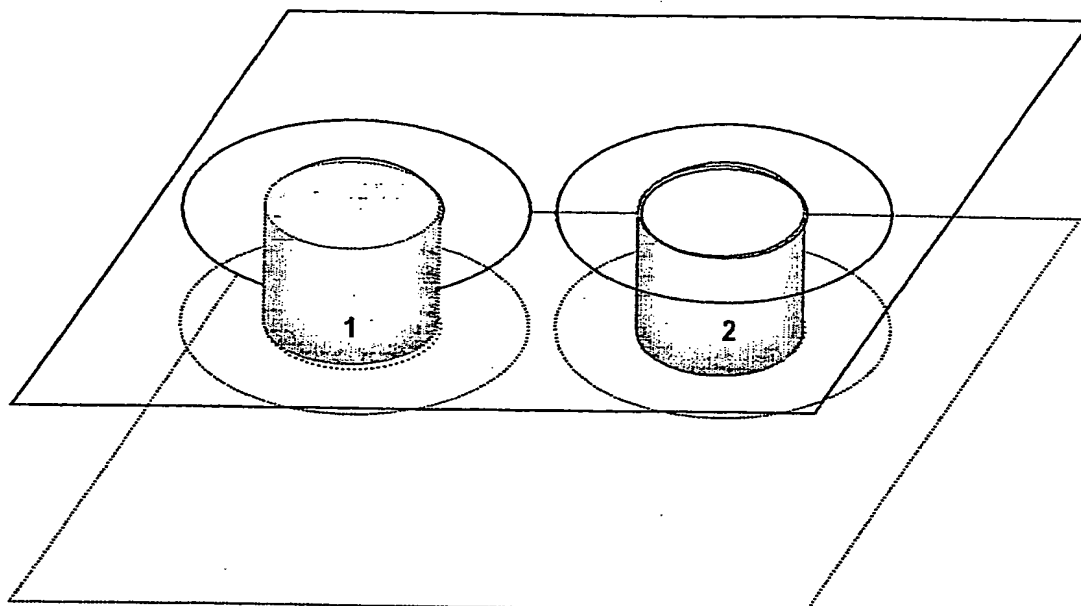


Figure 12 Through-thickness Powder Switch

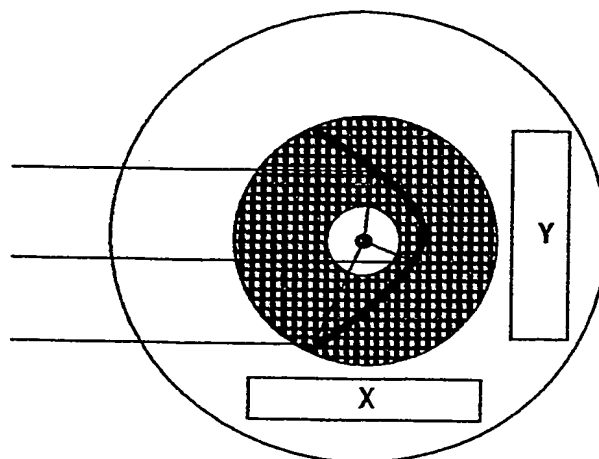
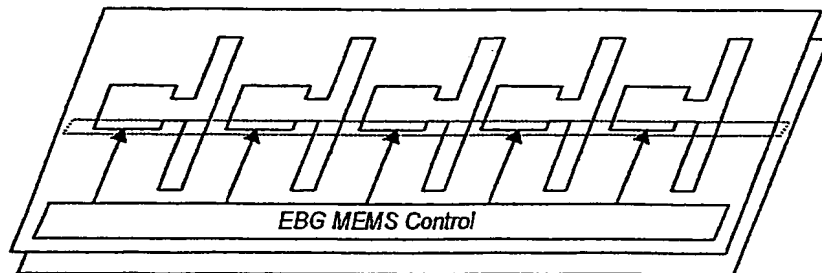


Figure 13 Lens/Reflector through-thickness MEMS Array

7 17

**Figure 14 MEMS EBG Array**